



## Role profile

### Transport Security Research and Advice Lead

<b>Civil Service Grade:</b> Senior Executive Officer (SEO)	<b>Salary Minimum:</b> £42,466	<b>Contract Type:</b> Permanent
<b>Job Type(s):</b> Science Security <small>Select 3rd job type.</small>	<b>Civil Service Profession:</b> Science & Engineering	<b>DfT Directorate:</b> Transport Security Co- ordination & Operational Response
<b>Location(s):</b> London	<b>Reporting to Job Title:</b> Land, Maritime and Cross-Modal Technical Oversight Manager	

## Job description

### Job summary

Transport Security, Resilience and Response (TSRR) leads on national security matters, ranging from counter terrorism and cyber security to planning for and responding to natural hazards or civil contingencies. We deliver expertise to support security and resilience policy teams whilst also providing the department's 24/7 response for all security or civil contingency incidents. The team works with security and intelligence partners from across government to mitigate risk to the UK's transport sector.

TSRR is a major player in delivering both the Government's counter-terrorism strategy (CONTEST), and the department's aim for a transport system that works for everyone and balances the needs of society, the environment and the economy. A key factor in that aim is to deliver a safe, secure and resilient transport network, for people and goods, for today and tomorrow.

We are looking for someone with a science background to join the National Security Science and Research (NSSR) Division within TSRR. This is a very busy team working in a fast-paced environment, often responding to high-profile terrorist incidents on the Transport network. We provide scientific and technical advice across a wide range of disciplines, from physics and chemistry to engineering, human factors and ergonomics.

Your role will be to lead the Department's thematic transport security research and development projects and be a focal point between NSSR and our land and maritime policy teams. You will establish and run a range of technical projects that provide advice on understanding threats to transport, and also suggest and evaluate options for mitigating the threats or reducing their impact.

The role will involve working closely with senior policy leads, scientific and technical experts across the Government National Security community (and overseas

counterparts), and colleagues in the intelligence agencies, as well as the transport industry. You will work particularly closely with the Homeland Security Group (HSG) and Centre for the Protection of National Infrastructure (CPNI) in aligning counter-terrorism research, and the Defence Science and Technology Laboratory (DSTL) and other suppliers in commissioning and delivering the research projects.

## Duties and responsibilities

Your Duties and responsibilities will be to:

- Lead the commissioning, delivery and exploitation of the Department's transport security research and development projects
- Build strong tactical and strategic relations with key sector operators, for example, Transport for London, British Transport Police, Maritime and Coastguard Agency and Port operators.
- Be the subject matter expert for a specific research theme (actual technical area will be dependent on your skills and qualifications) across all transport modes, providing support and advice both to the NSSR division and policy colleagues.
- Represent the Department at various cross-government fora, ensuring that outputs meet the Department's needs.
- Influence and leverage related research and development taking place internationally, including representing the UK at bilateral meetings with partner Countries.
- Developing effective partnerships with your expert counterparts across Whitehall Departments and intelligence agencies.
- Lead the development of spending bid proposals related to transport security research.

Specific examples of ongoing projects include:

- Understanding how emerging technologies could be used to screen crowds in stations without using airport-style measures.
- Exploring new approaches to screening Heavy Good Vehicles using the Channel Tunnel, effectively and quickly.
- Planning and conducting trials of prototype systems in operational environments, setting success criteria and evaluating results.
- Running tabletop exercises to understand the decision making processes during a terrorist incident and identify opportunities to provide technical interventions.

## Person specification

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### Behaviours

#### **Making Effective Decisions**

Understand own level of responsibility and empower others to make decisions where appropriate. Analyse and use a range of relevant, credible information from internal and external sources to support decisions. Invite challenge and where appropriate involve others in decision making. Display confidence when making difficult decisions, even if they prove to be unpopular. Consult with others to ensure the potential impacts on end

users have been considered. Present strong recommendations in a timely manner outlining the consideration of other options, costs, benefits and risks.

### **Leadership**

Ensure colleagues and stakeholders have a clear understanding of objectives, activities and time-frames. Take into account different individual needs, views, and ideas, championing inclusion and equality of opportunity for all. Consider the impacts of own and team's activities on stakeholders and end users. Role-model commitment and satisfaction with role. Recognise and praise the achievements of others to drive positivity within the team. Effectively manage conflict, misconduct and non-inclusive behaviour, raising with senior managers where appropriate.

### **Communicating and Influencing**

Communicate in a straightforward, honest and engaging manner, choosing appropriate styles to maximise understanding and impact. Encourage the use of different communication methods, including digital resources and highlight the benefits, including ensuring cost effectiveness. Ensure communication has a clear purpose and takes into account people's individual needs. Share information as appropriate and check understanding. Show positivity and enthusiasm towards work, encouraging others to do the same. Ensure that important messages are communicated with colleagues and stakeholders respectfully, taking into consideration the diversity of interests.

### [More information about Behaviours](#)

## **Experience**

- Working in a scientific or technical area, including leading or overseeing technical delivery.
- Understanding of science and technology for security.
- Ability to manage team and stakeholder relationships.
- Experience of making effective decisions to deliver against requirements.
- Experience of communicating scientific principles to a non-technical audience.

### [More information about Experience](#)

## **Strengths**

You will be assessed against Civil Service Strengths at interview. For further details, please see the [Civil Service Strengths Dictionary](#).

### [More information about Strengths](#)

## **Technical**

### **Applying Knowledge**

Understands and objectively, and effectively, applies scientific and engineering principles with rigour and integrity. This may be through gathering and analysing information, producing effective literature reviews, critiquing techniques, designing or conducting research, undertaking fieldwork, computational modelling, writing evaluations and /or contributing to knowledge sharing including peer reviewed journal papers.

### **Engagement with Others**

Builds solid links to internal and external specialists and stakeholders; demonstrates how this knowledge is benefiting science and engineering capability across government or

wider science & engineering community. Represents their organisation externally in a positive and effective manner. Demonstrates professional and considerate conduct when working with others. Builds and manages effective partnerships.

[More information about Technical](#)

### Essential criteria

- Formal qualification in a STEM subject to at least degree or equivalent level
- This role is open to UK nationals only
- Candidates will also be expected to demonstrate their technical experience against the Government Science and Engineering Career framework.

### Other helpful information you need to know

<b>Level of security clearance:</b> Developed Vetting (DV)	<b>Working Pattern:</b> Full-time; Part-time; Job share; Flexible working	<b>Contact Information:</b> Claire Franks Claire.Franks@dft.gov.uk 07966 512591
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National Security Science and Research (NSSR) Division plays a crucial role in the Department's emergency response mechanisms. You therefore may be required to participate in the Department's response to a security or civil contingencies incident. This may include out of hours working on occasion, but we make every effort to allow for your personal circumstances.

Transport Security, Resilience and Response invests significantly in training and developing staff to prepare them not just for an interesting and challenging job, but also for a rewarding career in the Government security profession. Our expectation is that our staff will remain in post for at least two years. The successful candidate can start employment once Security Check clearance has been obtained but must have a willingness to undergo Developed Vetting clearance once in post.

Some travel will be required for this role, taking into account any COVID restrictions in place at the time. In normal circumstances travel within the UK can be up to six or seven times a month, with some international travel, primarily to mainland Europe up to two or three times per year.